ABSTRACT OF THE INVENTION

According to various embodiments of the present invention, methods, computer program products, and systems are disclosed for generating control messages to be transmitted from a first network device to a second network device in a data network, According to a specific embodiment, the control messages may relate to actions to be performed at the second network device. A first control message to be generated at the first network device is determined. Reason information relating to at least one reason for generating the first control message is identified. The first control message is then generated at the first network device. According to a specific embodiment, the first control message may include the identified reason information. Thereafter, the first control message may be transmitted to at least one other network device in the network, including the second network device. When the first control message is received at the second network device, the reason information included in the first control message may be identified. An appropriate response to the first control message may then be determined and implemented at the second network device. According to a specific embodiment, the appropriate response by the second network node may be based, at least in part, upon the reason information provided in the first control message.